ABSTRACT OF THE INVENTION

A system for automatically planning firmware card ports on multiplexors in a DSL network is disclosed. The system is operable to query element management systems (EMS's) in a DSL network to identify the multiplexor devices that each of the EMS's is dedicated to managing. Thereafter, the system queries the multiplexor devices identified as being managed by a particular EMS for the planning status of the multiplexor's ports. Upon identifying unplanned ports, and those that are inconsistent with the prescribed plan, the system plans the ports consistent with a prescribed planning arrangement.